

FIGURE 1A

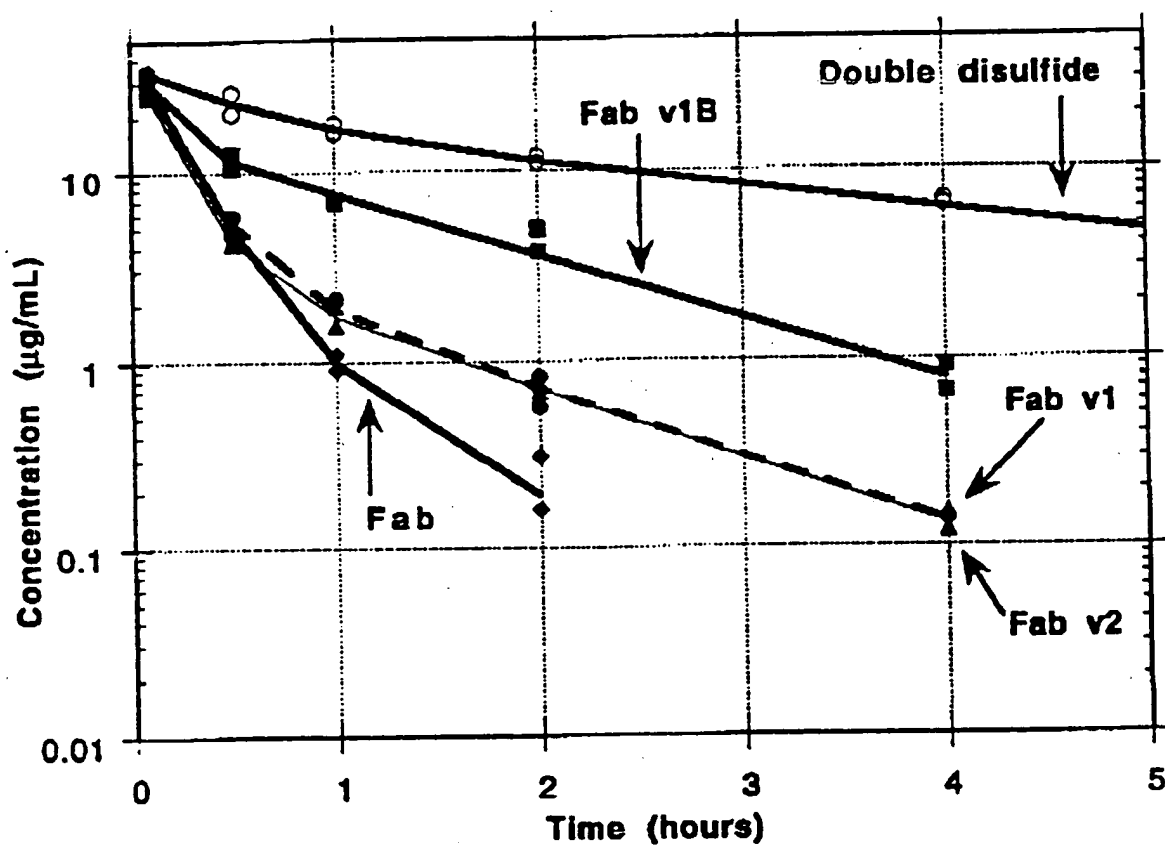


FIGURE 1B

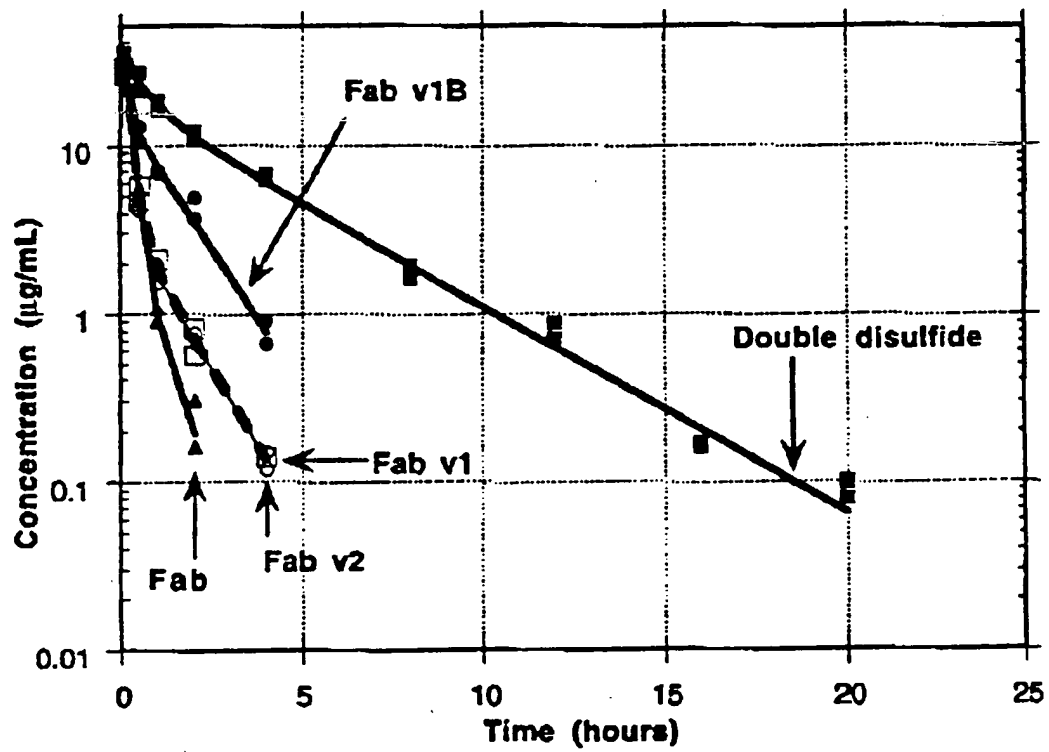


FIGURE 2

hIgG1 Sequence of human IgG1 CH1 domain  
hIgG2 Sequence of human IgG2 CH1 domain  
5 hIgG3 Sequence of human IgG3 CH1 domain  
hIgG4 Sequence of human IgG4 CH1 domain  
humK Sequence of human kappa CL domain  
humL Sequence of human lambda CL domain

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10      114                      128                      139
        ↓                      ↓                      ↓
hIgG1   A S T K G P S V F P L A P S S K S T S G G T A A L
hIgG2   A S T K G P S V F P L A P C S R S T S E S T A A L
hIgG3   A S T K G P S V F P L A P C S R S T S G G T A A L
15 hIgG4   A S T K G P S V F P L A P C S R S T S E S T A A L

        108                      122                      131
        ↓                      ↓                      ↓
humK     R T V A A P S V F I F P P S D E Q L K S G T A S V
20 humL    Q P K A A P S V T L F P P S S E E L Q A N K A T L

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FabCABv1b A S T K G P S V F P L A P S P K N S S M I S N T P A L
of interest      P K N S S M I S N T P

25 most important      *** *

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hIgG1   G C L V K D Y F P E P V T V S W N S G A L T S
hIgG2   G C L V K D Y F P E P V T V S W N S G A L T S
30 hIgG3   G C L V K D Y F P E P V T V S W N S G A L T S
hIgG4   G C L V K D Y F P E P V T V S W N S G A L T S

humK     V C L L N N F Y P R E A K V Q W K V D N A L Q
humL     V C L I S D F Y P G A V T V A W K A D S S P V

35 -----
FabCABv1b G C L V K D Y F P E P V T V S W N S G A L T S

hIgG1   G V H T F P A V L Q S S G - - - L Y S L S S V
hIgG2   G V H T F P A V L Q S S G - - - L Y S L S S V

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FIGURE 2 (CON't)

hIgG3 G V H T F P A V L Q S S G - - - L Y S L S S V  
hIgG4 G V H T F P A V L Q S S G - - - L Y S L S S V  
humK S G N S Q E S V T E Q D S K D S T Y S L S S T  
humL K A G V E T T T P S K Q S N N - K Y A A S S Y

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FabCABv1b G V H T F P A V L Q S S G - - - L Y S L S S V

193 200 203  
↓ ↓ ↓  
hIgG1 V T V P S S S L G T - Q T Y I C N V N H K P S  
hIgG2 V T V P S S N F G T - Q T Y T C N V D H K P S  
hIgG3 V T V P S S S L G T - Q T Y T C N V N H K P S  
hIgG4 V T V P S S S L G T - K T Y T C N V D H K P S

181 190  
↓ ↓  
humK L T L S K A D Y E K H K V Y A C E V T H Q G L  
humL L S L T P E Q W K S H R S Y S C Q V T H E G S

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FabCABv1b V T V P H Q S L G T - Q T Y I C N V N H K P S  
of interest H Q N L S D G K

most important \* \* \* \* \*

hIgG1 N T K V D K R V - - -  
hIgG2 N T K V D K T V - - -  
hIgG3 N T K V D K R V - - -  
hIgG4 N T K V D K R V - - -

humK S S P V T K S F N R G E C  
humL T V E K T V A P T E C S

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FabCABv1b N T K V D K R V - - -